

MRO Purchasing compilations of the RAW MATERIALS/FUELS/PROCESS QUANTITIES (RM FILE) for the respective years 1988, 1989 & 1990:::~::~:

Calendar years---	<u>1988</u>	<u>1989</u>	<u>1990</u>
AMERIGAS Acct # 11443 (forklifts & other operating equipment) (Measured in THERMS-Propane) 872-7613- Ken Freeman	2,342,522	2,478,749	2,569,840
ROSSOE Acct # 54574 # 2 DIESEL (Heating Oil) 725-7555- Jean (Measured in GALLONS)	12,144	13,890	15,515
WASHINGTON NAT'L GAS Acct #'s - 1138 for 3600 (Measured in THERMS--Nat'l Gas) 622-6767 - Bob Wells - 703 for 3200	41,094.7 18,235.1	45,789.5 25,776.0	36,120.9 25,915.2
LONESTAR INDUSTRIES (Blast grit 20-60 Mesh- Nickel slag) -BULK ABRASIVE (Measured in pounds)	2,000	2,000	2,000
NITRIC ACID (consists of only 67.5% of total lbs)	16,227	16,767	21,627
iiiTrichloroethane (CRC/Kleenall - 20oz size **incl. two 55 gallon drums	11,005**	15,435	5,295
ACETONE (Measured in gallons)	18(est.)	36	60

ABRASIVES ARE LISTED ON
THE FOLLOWING PAGES

DATA FOR RM FILE CONT'D

ABRASIVES (Belts,wheels, stones, etc)	1988	1989	1990
ANNUAL TOTALS -----	50,242 (lbs)	45,834 (lbs)	44,291 (lbs)
 <u>P.G. (flap) WHEELS</u>	 3,365 (lbs)	 4,315 (lbs)	 4,299 (lbs)
6" x 2" x 1" Resin Bond Cloth - (50,100,180, & 220 , etc., grit size)			
<u>CUPSTONES 5" x 3 3/4" x</u>	17,685	16,850	17,352
2" - 36 grit			
3" X 9 5/8" Resin Bond Cloth Belt - 36 grit	5,281	4,217	3,324
10" X 70 1/2" Resin Bond Cloth Belt - 36 grit	13,976	14,000	9,676
20" x 1/8" x 1" Type 1 PGW metal Cut-Off Wheel (Pacific & Allison)	6,160	3,162	5,566
Small Cut-Off Wheels 3" & 4" x 0.035 & 1/16" (only)	305	246	365
9" x 1/8" x 7/8" Depressed Center Disc	1,124	750	1,125
7 INCH Type C Disc - 36 grit and 50 grit	450	425	700
3" X 132" Resin Bond Cloth Belt - 36 grit	158	512	394
Cartridge Rolls - 1/2 " X 1 1/2" X 1/8" -80 grit Cloth backing	41	62	61
Cartridge Rolls - 3/4" X 1 1/2" X 1/8" -80 grit Cloth Backing	71	107	107
<u>WESTERN POINTS-Grinding</u> -A3M	229	86	129
-W179	64	58	30
-W189	82	100	75
-W200	--	5.56	4.2
-W230	84	167	17
-A38	--	18	--

DATA FOR RM FILE (cont'd)

ABRASIVES (cont'd)	1988	1989	1990
<u>EVENRUNS</u> - 2" x 2" -36 grit	31(lbs)	94(lbs)	35(lbs)
<u>2" X 1/2" X 3/8" Grinding Wheel</u> - 24 & 36 grit	157	143	116
<u>4" X 3/4" X 1/2" Grinding Wheel</u> - 36 grit	394	141	150
<u>2" X 48" Fabrilok Belt</u> -60 grit	56	--	--
<u>2" X 424" 24ID Resin Bond Cloth</u> - 40 grit <u>Belt</u>	329	--	113
<u>2" X 48" Type R821 Belt</u> - 0 grit	--	--	13
<u>3" X 1" X 1/4" P.G. Wheel</u> -60 & 80 grit	200	100	200
<u>3" X 1/8" X 3/8" -36 grit Cut-Off Wheel</u>	--	188	150
<u>4" X 1/8" X 1/2" -36 grit Cut-Off Wheel</u>	--	43	--
<u>4" X 1/8" X 5/8" -36 grit Cut-Off Wheel</u>	--	44	--
<u>2" X 9 5/8" Resin Bond Belt</u> - 36 grit	--	--	79
<u>2" X 6 7/32" Q-Flex # R824</u>	--	--	20
<u>6" X 2" X 1" CONDOR Flap Wheel</u> - 100 grit	--	--	28.75
<u>6" X 3/4" X 1" Pedestal Grinding Wheel</u> -60Med & 80 Fine CRYTOLON	--	--	20
<u>2" X 72" NORZON Belt</u>	--	--	14.25
<u>Box of 4" X 72" Norton</u> - 36 & 50 grit	--	--	10
<u>3M BRUSHLON 60 grit Wheel</u> 7/8" trim - 1 & 2" wide	--	--	18(est.)
<u>3" X 3/4" X -60 grit</u> 2441 Resin	--	--	100 (401 qty)

NORTON

KENNETH N. MATTSON

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March 21, 1991



Mr. Phillip Krogmeier
Alaskan Copper & Brass Co.
Post Office Box 3546
Seattle, WA 98124

Re: Puget Sound Air Pollution Control Agency Questionnaire

Dear Phillip,

The following Table of Percentages may help to answer some of the questions recently asked of you by the Puget Sound Air Pollution Agency.

<u>NORTON BELTS</u>	<u>R981</u>	<u>R824</u>	<u>R861</u>
Percent of Cloth by Weight	30%	30%	30%
Percent of Abrasive By Weight	60	60	60
Percent of Binder By Weight	<u>10</u>	<u>10</u>	<u>10</u>
TOTAL	100%	100%	100%

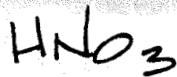
By applying these percentages to the weights of 10 X 70-1/2 and 3 X 9-5/8 belts you now use, the weights of each of the three categories (cloth, abrasive and binder) can be expressed as follows:

	<u>Cloth</u> <u>Weight</u> <u>Per Belt</u>	<u>Abrasive</u> <u>Weight</u> <u>Per Belt</u>	<u>Binder</u> <u>Weight</u> <u>Per Belt</u>
3 X 9-5/8 Bands (Net Wt. = 0.075 lbs. per band)	0.0225 lbs.	0.045 lbs.	0.0075 lbs.
10 X 70-1/2 Belts (Net Wt. = 2 lbs. per belt)	0.6 lbs	1.2 lbs.	0.2 lbs.

It is hoped that this information will be of some help to you in responding to the Agency's inquiry. Should you need any additional information or should you have any questions regarding the above information, please let me know. We'll be happy to help in any way we can.

Yours truly,

Ken Mattson



$$22,000 \text{ mc/l Cr} \cdot 11,440 \text{ l} \cdot .0000022 \text{ lbs/mc} =$$

$$553.69 \text{ lbs. Cr}$$

$$22,000 \text{ mc/l Ni} \cdot 11,440 \text{ l} \cdot .0000022 \text{ lbs/mc} =$$

$$553.69 \text{ lbs Ni}$$

$$1.513 \text{ cm/au cm}$$

$$.0002642 \times 10^{-4} \text{ g/gallons}$$

$$2.4$$

$$3785,$$

$$5726.7 \text{ cu cm/gal}$$

$$.002.205$$

$$12.62 \text{ \#}$$

$$5682.31$$

$$1704.69$$

$$\text{102 acft}$$